GTP-2881 ????? ??: 1

28-Port L3 Lite Managed Gigabit PoE Switch, 24 PoE Outputs, 185W, 4 x 10-Gigabit SFP+

GTP-2881 L3 Lite Managed PoE+ Switch is a next-generation Ethernet Switch offering full suite of L2 features, additional 10GbE uplink connections, better PoE functionality and usability, including advanced L3 features such as Static Route that delivers better cost performance and lower total cost of ownership in Enterprise networks via fiber or copper connections. GTP-2881 delivers 24 (10M/100M/1G) RJ45/PoE+ (Support 802.3at/af, and total up to 185W) ports, 4 GbE/10G SFP+ ports and DB9 Console port. GTP-2881 provides high HW performance and environment flexibility for SMBs and Enterprises. GTP-2881 is ideal to deliver management simplicity, optimum user experience, and lower total cost of ownership.

1. LED Indicators
2. Mode Button
3. 10/100/1000Mbps RJ-45 LAN Ports
4. SFP (Mini-GBIC) Slot

5. RS-232 Port
6. Power Socket

Key Features

- 공유 SFP 슬롯이 4개이고 10 기가비트 SFP 플러스 슬롯이 4개인 24개의 PoE 기가비트 이더넷 포트
- 배치 및 설치를 간편화하기 위해 IEEE 802.3af / at PoE 플러스 준수
- IEEE 802.1d/w/s 신장 트리 프로토콜(STP) 및 포트 미러링
- 최대 512개의 항목으로 구성되는 액세스 제어 목록(ACL) 을 사용하여 네트워크 보안이 용이한 IEEE 802.1X 포트 기반의 인증
- 고급 에너지 효율 기술로 탄소 발자국을 최소화(IEEE 802.3az)
- Supports port-based VLAN, IEEE 802.1Q VLAN Tagging and GVRP
- IPv6 네트워크 운용으로 관리되고 배치됨
- IP Multicast Filtering through IGMP Snooping V1 / V2 / V3
- 자동 포트 애그리게이트용 IEEE 802.3ad LACP
- Supports Universal Plug and Play (UPnP) for auto-configure network devices

Highlight

IP Clustered Stacking Solution

With the design and implementation of SIP (Single IP Management), network administrators are allowed to virtually stack up to 32 switches (GEL-1072/GTL-2880/GTP-2880/GTL-5280/GEP-2671/GEP-2672) together and manage them as one logical unit through a single IP address regardless of geographical locations of those switches. Comparing to traditional stacking, IP clustering eliminates the use of costly cables and connectors. Furthermore, it minimizes the impact of any single point of failure.

LevelOne Easy Configuration Port (ECP) Technology

Each switch port can now be fully optimized through a predefined role and settings which are based on the type of a device such as an IP camera or a VoIP phone to be connected to. For instance, even if a surveillance system integrator who lacks of IT administration skills, can still easily enables the role and applies settings like VLAN, QoS, port security and spanning tree to all connected IP cameras on a single Web UI within a few minutes. Hence, simplifying network deployment and ensuring consistent configurations across the network.

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System Specifications

Standards & Protocols:

IEEE 802.3 10-BASE-T, Ethernet
IEEE 802.3u 100-BASE-TX, Fast Ethernet
IEEE 802.3ab 1000BASE-T, Gigabit Ethernet
IEEE 802.3z 1000BASE-X,Gigabit Ethernet
IEEE 802.1p Quality of Service (QoS)
IEEE 802.1X Port-based Network Access Control (PNAC)
IEEE 802.1Q Virtual LANs (VLANs)
IEEE 802.1D MAC Bridges
IEEE 802.1d Standard Spanning Tree Protocol
IEEE 802.1s Multiple Spanning Tree (MSTP)
IEEE 802.1w Rapid Spanning Tree Protocol (RSTP)
IEEE 802.3x Flow Control
IEEE 802.3ad Link Aggregation Control Protocol (LACP)
IEEE 802.3af Power over Ethernet (PoE)
IEEE 802.3at Power over Ethernet Plus (PoE+)
IEEE 802.3az Energy-Efficient Ethernet
Link Layer Discovery Protocol (LLDP)

Memory:

RAM : 128 MB
Flash : 32 MB

Buffer Memory:

4 MB

Connectors and Cabling:

24 (10M/100M/1G) RJ45/PoE+ (Support 802.3at/af, and total up to 185W) ports, 4 GbE/10G SFP+ ports and DB9 Console port.

Button/Knob:

Mode / Reset Button

Indicator:

System, Link/Act/Speed, PoE

Transmission Method:

Store-and-Forward

Power Input:

100-240 VAC 50~60 Hz, internal, universal

Power Output:
12V

Power Consumption:
16.79 W

Features

General:
IEEE 802.3 10-BASE-T, Ethernet
IEEE 802.3u 100-BASE-TX, Fast Ethernet
IEEE 802.3ab 1000BASE-T, Gigabit Ethernet
IEEE 802.3z 1000BASE-X,Gigabit Ethernet
IEEE 802.1p Quality of Service (QoS)
IEEE 802.1X Port-based Network Access Control (PNAC)
IEEE 802.1Q Virtual LANs (VLANs)
IEEE 802.1D MAC Bridges
IEEE 802.1d Standard Spanning Tree Protocol
IEEE 802.1s Multiple Spanning Tree (MSTP)
IEEE 802.1w Rapid Spanning Tree Protocol (RSTP)
IEEE 802.3x Flow Control
IEEE 802.3ad Link Aggregation Control Protocol (LACP)
IEEE 802.3af Power over Ethernet (PoE)
IEEE 802.3at Power over Ethernet Plus (PoE+)
IEEE 802.3az Energy-Efficient Ethernet
Link Layer Discovery Protocol (LLDP)
VLAN:
Port-based VLAN
802.1Q tag-based VLAN
MAC-based VLAN
Management VLAN
Private VLAN Edge (PVE)
Q-in-Q (double tag) VLAN
Voice VLAN
GARP VLAN Registration Protocol (GVRP)

PoE:
Power Budget: Max. 185W
Power Output: Up to 30W per port
Protection: Circuit protection to prevent power interference between ports
Management: PoE status, PoE on/off scheduling, PoE power delay, PoE live checking, Per port power priority setting, PD classification identity
Pin Assignment: 1/2(+), 3/6(-)

Security:
ACLs、L2/L3/L4
ACLs、IPv6 Support
Port Security (MAC-based)
IP Source Guard
Storm Control
RADIUS Authentication 802.1x
TACACS+ Authentication
HTTPs and SSL (Secured Web)
BPDU Guard
STP Root Guard
DHCP Snooping
Loop Protection

Management:
Switch Management:
DHCP、Client、Relay、Option 66、Option 67、Option 82
Event/Error Log、Syslog、SMTP (RFC821)
Management Access Filtering、SNMP、Web、Telnet、SSH
PoE Management、Scheduling、Auto-Checking、Power Delay
SNMP (v1, v2c, v3)

RMON (1,2,3 & 9 Groups)
Software Upgrade
Configuration Export/Import
Port Mirroring
LLDP (IEEE802.1AB)
LLDP-MED (IEEE802.1AB)
CDP Aware
sFlow
IPv6 Management
NTP

L3:
Static Route
DHCP Server

Ease of Use:
Firmware and Configuration: Upgrade via HTTP

Performance

Backplane (Gbps):
Switching Bandwidth: 128Gbps
Forwarding Performance : 95.232Mpps

MAC Address Table:
32K

Data Transfer Rate:
10/100/1000Mbps

Packet Forwarding Rate:
95.232Mpps

Jumbo Frame (K):
10k

Environment

Power Saving:
IEEE 802.3az Energy Efficient Ethernet:
- Automatically turns power off on RJ-45 port when detecting link down or Idle of client
- Cable length detection: Adjusts the signal strength based on the cable length
- Reduces the power consumption for cables shorter

Temperature (°C):
Operating: 0°C ~ 450°C
Storage: -20°C ~ 70°C

Humidity (Non-condensing):
Storage: 10% ~ 90%
Operating: 10 ~ 90%

Deployment:
19-inch rack-mountable

Physical Specifications

Dimensions (W x D x H mm):
442 x 211x 44 mm

Weight (g):
3700g

Reliability

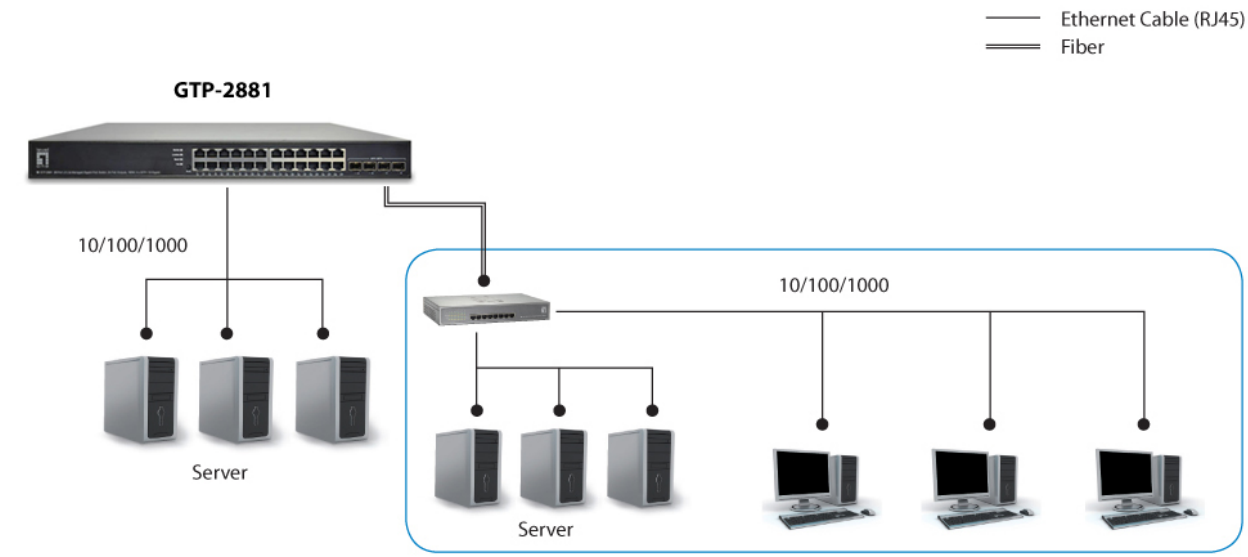
MTBF:
25’C 463,931(hr)
40’C 305,837(hr)

Approval and Compliance

EMI/EMS:
CE, FCC Part 15 Class A

Safety:
LVD

Others:
DMS



Order Information

GTP-2881

Package Contents

GTP-2881
Power Cord
Console Cable
Quick Installation Guide
Resource CD (User Manual)
19" Rackmount Kit